FOR MYSORE STATE

Agriculture (1954) Department

RT SERIES.

G.O. NO. 904

Dated 10/6/54

Passed
11/24/6/54
Supdt

[Despatch Abstract.]

Community Projects - South Kanara area - Block I - Communications - Construction of 2 nos major culverts on the road from Kinnigoli to Kaleel in Mangalore Taluk - Estimate - Sanctioned.

ef.C.No.3330/53-B. Project Executive Office, S.K.,
Mangalore, dated 17-5-1954

From
Sri.H.Narasimha,
Project Executive Officer,
Mangalore.

To
The Director of Community Project & Ex.Officio Addl. Secretary to Govt., C.P. Agri. Dept. MADRAS.

7449

DIRECTOR OF COMMUNITY PROJECTS & AGRL. PRODUCTION SCHEME 5-JUN 1954

COMMUNITY PROJECTS - South Kanara area - Block I - Communication - Road from Kinnigoli to Kateel with culverts - Estimate - Sanction - Requested.

I submit herewith estimates in duplicate with site plan etc. for the formation of a road from Kinnigoli to Kateel with 6 culverts (2 big and 4 drainage culverts). The particulars required are furnished below:

1. Block: I

2. Name of work: Construction of a road from Kinnigoli to Kateel with 2 big and 4 drainage culverts.

3. Whether the work is in the approved list. : Yes. It is item No. 81 under roads in Block I in the overall programme. against 100 culverts provided for in the overall programme.

4. Estimated cost:

1. Earth work: Rs.8400/- (road)

2. Hume pipe culverts - 2 : Rs.900 (at Rs.450/-)

3. Slab culverts - 2 : Rs.1660/- (at Rs.830/-)

4. Slab culverts - big - 2 : Rs.9800/- (at Rs.4900/-).

5. Petty supervison and contingencies: Rs.1038/-

Total Rs.21798 c
Rs.21800/-

5. Expenditure to be borne by Community Project: Rs.9800/-

6. People's contribution: Rs. 12,000/-

7. Remarks:

The proposal is to widen and repair the existing cart track from Kinnigoli to Kateel. This rac of 2 miles in length, branches off from the Mulki Bajpe main road at Kinnigoli and joins again the same r road at Kateel after passing through interior village The road requires 2 big and 4 drainage culverts, the es mated cost of which has been given above. This is a useful road and will benefit the villagers to a great extent. The Panchayat Board, Kinnigoli, which is inte in the formation of this road and the beneficiaries

concerned are willing to bear the cost of the earth work and also the cost of 4 minor culverts. The remaining cost (construction of two major culverts Rs.9800/-) will have to be met from the Community Project funds. So far only 60 culverts have been sanctioned for Block I against the target of 100 culverts.

The work is included in the overall programme and there is financial provision also. The estimates have been technically, scrutinised and sanctioned by the Divisional Engineer (Highways), except the one for the earth work (road). They may kindly be sanctioned and returned for further action.

Yours faithfully,

R. Vishalakshi
26/5/54.

for Project Executive Officer.

Encl: All the estimates including that of road with site sketch plan.

eport to accompany the estimate for forming a road from Kinnigol to Kateel.

Estimate Rs. ~~21,000/-~~ 21800/-

There is a katcha road of about 2 miles from Kinnigoly to Kateel, formed by the Panchayat Board. At the 7th furlong from Kinnigoly, this road is intercepted by a stream about 15 feet wi again at 1/3-4, there is another stream to be bridged. From th stream to Kateel, the portion of the road is fairly good. The road portion between the bridge is not formed. On account of the hilly nature of the country, the alignment of road in this locality will involve heavy cutting and at two points the road w ve to be raised. This will therefore involve heavy earth wor and two to three culverts.

This estimate therefore provides for forming a road of about two miles length, construction of two big culverts across streams and four drainage culverts along its formation.

1. Road work

Estimate Rs. 8,500/- 8400

Earth work excavation is provided for widening the existi road from Kinnigoly side to the 1st stream and portion of road f second stream to Kateel. Provision is made to ease the gradient of the road between the streams and removing the out cr of stones from the surface of the road and to align the road to avoid the steep gradient in two places.

Necessary provision is made for forming the road in embankment near the streams.

Paved Dips will be provided at required points to drain surface water from the road. These dips will be of rough ston dry packing with suitable retaining walls.

2. PIPE CULVERTS.

Two pipe culverts of 2 feet diameter are provided at 0/6 and 1/3-4. A typical drawing for both the pipe culverts is al enclosed with the necessary detailed quantities and abstract wo cut separately. Head walls for the pipe culverts will be of ~~random~~ rubble in cement mortar 1:5 on a bed of concrete broken stone 1½" size in cement mortar 1:4:8 as per the plan enclosed.

3. Slab culverts at 1/1-2 and 1/4-5.

In between the streams, the road alignment will dip at two points where the drainage course is proposed to be provided a slab culvert of 4'-0 clear span as shown in the plan enclosed

Abutments and returns for the slab culvert will be of ~~ra~~ rubble masonry in cement mortar 1:5 found on a bed of concrete stones 1½" in cement mortar 1:4:8. The slab for the culverts w be of cut stone with necessary parapet walls as shown in the pl

Provision is also made for necessary revetment, ~~and plas the parapet walls etc.~~

4. Culverts of 3 vents at ~~Kxkxxxxx~~ Katchatta and Parakatta.

Two similar culverts for the streams at Katchatta and Parakatta with 3 vents will be provided. These streams dry u in summer. The road way for the bridge is 12'-0 wide.

Abutment walls and returns, ~~and piers~~ for the culverts be of ~~random~~ rubble in cement mortar 1:5 over a concrete foundation in cement mortar 1:4:8 using 1½" size stones. ~~The~~ dressing will be of cut stone slabs. The piers and parapet walls will

Necessary provision is made for providing revetment c the sides of the road and forming the approach road.

Detailed plans for both the culverts are separately attached.

Necessary land required for the approach road near th culverts sites need be got relinquished by the Asst.Projec Officer, Karkal.

This estimate therefore provided for the works as detailed below:

1.	Forming a road from Kinnigoly to Kateel with paced dips.		Rs. 8,(
2.	Constructing hume pipe culverts at 0/6-7	Rs. 450/-	Rs. 9
3.	do- culvert @ 1/3-4	Rs. 450/-	
	Constructing a slab culvert.		
	4' span at 1/2-3	Rs. 850/-	16
	4' span at 1/4-5	Rs. 850/-	Rs. 1,7
4.	Constructing slab culverts of 3 vents		9 8
	5 feet span at Kathatta	Rs. 4,900/-	Rs. 9,8
	do- at Parakatta	Rs. 4,900/-	
5.	Petty supervision and contingencies.		10,
			Rs. 9
			Rs. 21,0

DETAILED ESTIMATE.

District: Estimate for making a road from Kerigodi to Kateel. Taluk

Village and Survey: Date and cost of original construction

Name and number of work: Earth work only with 1 in 10 Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Earth work excavation in all soils excepting rock requiring blasting						
from 0/0 to 0/4	2×2	660·0	2·0	1·0	18480	
40+200 to 1/	1	460·0	3·0	3·0	4140	
drains	2	460·0	2·0	1·0	3680	
1/ to 1/1+200 Chiknayakanahalli	1	200·0	18·0	4·0	14400	
1/1+200 to 1/2	1	460·0	18·0	2·0	16560	
1 to 1/2+360	1/2	360·0	2·0	1·0	4440	
1/3 · 1/4	1	660·0	18·0	3·0	35640	
1/4 · 1/6	2	660·0	2·0	1·0	2640	
Cutch drains	2	660·0	3·0	2·0	7920	
1/6 to 1/6+200	1	200·0	12·0	1·0	2400	
1/6+200 to 2/1+200	3	660·0	6·0	4·0	47520	
					154820	
Add 10% extra for earth filling					15480	
					170000	or 170 cumb
2) Excavation in soil road including grubbing necessary Cambus etc 0/0 to 2/1	1	1660·0	18·0		201960	or 2020 cumb
3) Forming road in embankment including scarifying consolidation and depositing the same in						
0/3 to 0/1+400	1	400·0	20·0	3·0	24000	
0/3 to 1/0+200	1	660·0	20·0	4·0	36800	
1/3 to 1/0+200	1	660·0	20·0	4·0	36800	
1/2+360 to 1/3	1	300·0	18·0	3·0	16200	
					23000	
Extra lifting for same (in bund)					100000	or 100 cumb
4) Extra for additional leads over fifty ft						
5) Forming dips for passing over drains						
Dips	1					6 dip
6) Extra for any irregularities in hard rock requiring blasting etc						

Countersigned

Sd/- [illegible]

Sd/- [illegible]

C.F. 150 (1)

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Data						
For earth work excavation in all soils (except hard rock requiring blasting) including lifting throwing to spoil banks or loading into trucks as directed by the Engineer-in-charge.						
1 cum = 35.315 cft		21.60	cum	21.60		
Extra lead for every additional 15 yards or part thereof beyond initial lead of 50 yards.						
1 cum = 35.315 cft = 0.125		0-4-6	cum	0.46		
Earth work excavation in hard rock requiring blasting and including breaking of boulders into pieces not exceeding 30 cm in any direction and excavation in soft rock.						
1 cum = 35.315 cft		23.14	cum	23.14		
Excavation in soft rock disintegrated by blasting.						
1 cum = 35.315 cft = 0.817		28.1400	cum	28.140		
Lead for every additional 15 yards or part thereof beyond initial lead of 50 yards.		1.20	cum	1.20		
Extra lift for excavation including breaking clods, removal of stones and depositing earth in layers not exceeding 15 cm in thickness.						
1 cum = 35.315 cft		21.60	cum	21.60		
Breaking clods and removing stones						
0-4-0 1-14-0 2-2-0 / 2		1-1-0	cum	1.1.0		
Forming 7 cbs 20.0 × 18 × 1.0						720 cft.
1 Mason Rangahave		16.00	cum	17.9.7		
3 Nos man Mazdoor		1.80	each	4.8.0		
2 Nos Woman "		0.12.0	"	1.8.0		
1 No woddar		3.2.0	"	3.2.0		
1 cft Khoshi 3 MMR Rubbis		16.6.6	cum	18.0.2 0.4.3 35.0.0		
∴ for each dip		720 cft × 35/100				Rs 252/-

Certified that the rates and heads noted above are correct to the best of my knowledge.

Signed Shamsunder 17.7.53
Inspector of Railways

17/7/53
AE (C)

Divisional Engineer (H)
Uttar Kanara Division
Karwar

Abstract Estimate.

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A	P.
	Earth work & cart[illegible] all kinds excepting rock requiring blasting		21	6	-	1 cubic	3639 ~~3734~~					
1700 cubic	Scarifying the road including giving necessary camber.		-	4	6	1 cubic	568					
2020 cubic	Forming road in embankment including breaking clods		23	-		1 cubic	2300					
100 cubic	- Forming dikes 40' x 18" x 10" with ling below per rod		252			each	1512					
6 Nos	Extra for any remaining items of work	—					238					
							~~2500~~ 2					
							8402					
	Supervision charges at 5 per cent						157.33					
							Grand Total Estimate ..					8402

Divisional officer (or other countersigning officer to be named).

Sanctioned for 194 -194

Signature and designation of the officer submitting the estimate.

17/7/57

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named).

DETAILED ESTIMATE.

Village and Survey [illegible] Date and cost of original construction

Name and number of work RC pipe Culvert for [illegible] Date and cost of last repairs
at 0/6-2 1/3-4

Details of work	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Earth work excavation in ordinary soils including [illegible]						
For Head walls	2	8·0	2·6	3·0	120	
trench		15·0	2·6	2·0	75	
Extras if required			4	-	195	
					3 cft	
Cement concrete stone in Cement mortar 1:4						
For Head walls	2	8·0	2·6	1·0	40 cft	
Coursed Random rubble masonry in Cement mortar 1:4						
Head walls	2	7·0	1·6	4·6	75	
top	2	6·6	1·0	2·0	10	
Extra for joints under Arch.			4		15	
					120 cft	
Plastering with Cement mortar 1:4 ½" thick						
Head walls	2	7·0	2·0		140 sft	
Supplying and fixing RC Hume pipes of 24" dia with collars complete.						
Pipe					17 Rft	
Extra for laying over the above pipes in Cement mortar 1:2						

Estimated
15,123 including contingencies

Counter Signed.

27/33.

Divisional Engineer (H)
South Kanara Division
Mangalore

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth	Area or contents.	Total quantity of each description of work.
Date,						
As the rates provided for both Culverts average lead between the two Culverts						
Applying one third extra for 2nd class (10 miles) of the Country Boats.						
In 1st Rch.						
Ks to the pile		1 mm	1 Rh	15 ft 0 in		
Ch Rch		6 ft 0 in	each	5 ft 0 in		
Concrete in bed including landing and protecting ends at the road for the Cyclone Campaign		1 20	1 mm	27 ft 0 in		
Loading tail boat		1 0 12 0	12 in	4 ft 0 in		
Less 25 MMR to site		16 8 0	1 mm 6 in	295 ft		
Hydraulic mortar		1 20	1 Rh	15 00		
				0 2 3		
				240 / 15		
∴ for Ks	240 / 15	= 16 - 0 - 0				
For Rch for each and lead note above						
for the least of each,						
Ks to Rch 15 7.53						
to transport by Pulley						
carrying II Sort in C.M. 1:5				7 7.53		
Red rubble stone in dry land stone	26 00 100 cft		20 12 10		25/33	
Ks stone	16 "		8 0			
sand	2 8 "		0 1 3			
Cement	87 8 "		22 6 5			
Sand 2nd class	2 12 each		11 4			
Ks masdoor	1 8 "		6 0 0			
Mans masdoor	0 12 "		3 0 0			
Lead for Stone Rch 11 4	100 cft		12 6			
Ks lead 24 Cft.	14 1 "		4 8			
Sand lead 25 M.R.	65 12 6		4 3 4			
			1 5 1			

A. [illegible]

counter signed

Divisional Engineer (D)
South Kanara Division
Mangalore

Abstract Estimate.

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4)	Per (5)	Total. (6)	Amount. (7)
	Earth work excavation		Rs. A. P.		Rs.	
	Soils except rock		21 6	100c	4	
	Ordinary stone		101 4		41	
4 Cock	in Cement mortar 1 6 8			100c		
	Coursed rubble masonry		102 4 0		123	
120 cu	in Cement mortar 5 11 8		95	100		
151 Sq	Plastering with Cement mortar 1 to 4 ½ inch		10	100		
	in following proportion					
5 Rs	Fine stone soils into lime mortar		4	100	210	
	Earth work				39	
	Earth in ordinary soils				36	
L.S	Sundries				75	
					450	

Supervision charges at 5 per cent

Sanctioned for Rupees (450/-) four hundred and fifty only.

Grand Total Estimate

3

Divisional officer (or other countersigning officer to be named).

Sanctioned for Rs. -/-.

Signature and designation of the officer submitting this estimate.

17.7.53 A.E.C.

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named).

DETAILED ESTIMATE.

District [illegible] Taluk

Village and Survey Box Culvert on Date and cost of original construction

Name and number of work 21ms Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Earth work - excavation in [illegible] soil - including [illegible] soil as [illegible]						
Abutments	1×2	16-0	3-0	2-6	240	
Returns	2×2	2-0	3-0	2-6	120	
[illegible]	2×2	[illegible]			240	
					500 cft	
Rubble stone in cement mortar 1:6:12						
foundation	2	16-0	3-0	1-0	96	
Returns	2×2	2-0	3-0	1-0	24	
					120 cft	
coursed Rubble in Cement mortar 1:5 in Steps						
Abutment	1×2	15-0	2-0+4-6 / 2	4-6	236	
Wing wall offset	2	15-0	0-6	0-6	8	
Returns	2×2	2-6+2-0 / 2	2-0+1-6 / 2	5-0	79	
Parapet	2	12-0	1-3	2-0	60	
Coping	2	12-0	1-6	0-6	36	400 cft.
				401	419 or 420 cft	
Cut stone work for Slabs						
Deck slab	1	15-0	6-0	0-7	52.5 or 53 cft	
Plastering with Cement mortar 1:4 ½" Thick						
Parapet	2	15-0	6-2		240 or 250 sft	
Pen headed dry packing for retainment						
for abut.	2×2	2½ × 5/12 × 1-6		1 c	28	
wing wall abut	2×1	2½ × 3/4 × 6		1 c	38	
side for wing wall	2×2	5 c	1-6	1 c	30	
" returns	2×2	5 c	4 c	1-0	80	
					24	
					200 cft.	
Extra for carriage of materials					15	

Drawn by

Examined by

Countersigned 15-7-53 Superintending Engineer.

Executive Engineer

Divisional Engineer (H) 17.7.53

South Kanara Division

Mangalore

14.6.54

14

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quant each descri of work
Earth work excavation in all Soils except rock requiring blasting						
Depth 5 to 8 ft		21.6.0	100 ch	21.6.0		
Cement mortar 1:6 100 cft						
100 cft Sand		2.8.0	100 ch	2.8.0		
Lead " 2 MCT		46.1.0	in	46.1.0		
25 cft Cement		87.8.0	1 Lac	87.8.0		
" Lead 25 MMCT		65.12.6	100 ch	16.7.1		
existing Charges		6.8.0	"	6.8.0		
Sundries			"	0.1.11		
				125.2.0		
Concrete Broken stone in Cement mortar 1:6:8						
92 ~~Lac~~ cft Broken metre 1½ Size		23.0.0	100 ch	~~23.0.0~~	21.2.7	
46 50 cft mortar		125.2.0	"	~~62.9.0~~	57.6.9	
5 ms Mason Masoon		1.8.0	Lac	7.8.0	7.8.0	
½ ms Mason		2.12.0	"	1.6.0	1.6.0	
4 ms Woman "		~~8.12.0~~	"	~~3.6.0~~	3.6.0	
100 cft Lead 1½ MCT		0.13.0		4.6.0	10.5.7	
Sundries		11.4.0	100 ch	0.1.0	0.3.1	
				~~108.12.0~~	101.4.9	
Random rubble masonry in C.M. 1:6						
100 cft Rough Volume		16.0.0	100 ch	17.9.7		
34 ch Quarter "		125.2.0	"	42.8.5		
5 ms Mason "		2.12.0	Lac	13.12.0		
4 ms Man Mason "		1.8.0	"	6.0.0		
4 " Woman "		0.12.0	"	3.0.0		
100 cft Lead 20 stone		4.4.0	100 ch	12.6.0		
Sundries				1.2.0		
				15.6.0		
Plastering for slabs						
1 cft 81 27 A.		3.8.0	1 ch	3.8.0		
Sundries for lead hoist etc.				0.2.0		
				3.10.0		
Plastering with Cement mortar 1:4 ½" thick						
5 cft mortar		125.2.0	100 sft	62.6.1		
1 Bricklayer		2.12.0	Lac	2.12.0		
½ Man Mason "		0.12.0	"	0.12.0		
1 Woman "		0.12.0	"	0.12.0		
Sundries				0.1.11		
				10.10.0		
Rough stone dry packing for revetment						
100 cft Rough stone		16.0.0	100 cft	17.9.7		
3 ms Man Mason		1.8.0	Lac	4.8.0		
2 ms Woman "		0.12.0	"	1.8.0		
1 Waddan		3.2.0	"	3.2.0		
100 cft Lead as above		4.4.0	100 ch	12.6.0		
Sundries				0.0.5		
				29.0.0		

Certified that the rates and headings noted above are correct to the best of my knowledge.

Countersign

Sd/- 15.7.53

Sd/- 29/7/53

Sub Engineer I / Nellya

Divisional Engineer (H)
South Kanara Division
Mangalore

Abstract estimate.

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A	P
500 cft	Earth work excavation in all soils excepting rock		22	6	-	100 cft	11	-	-			
120 cft	Cement Cooken slabs in CM 1:6:8		101	4	-	100 cft	12	-	-			
400 cft	Random rubble masonry in CM mortar 1:6		102	4	0		409	0	0			
4200 cft	Plastering with Cement mortar 1:6 - ½ inch		46	6	-	"	401	-	-			
53	Cast slabs for slabs		3	0	-	1 ch	192 189	-	-			
200 cft	Laugh stone dry packing for revetments		39	-	-	100 cft	78	-	-			
ls	Extra for every contingencies						21 13 11	-	-			
							850	-	-			
							830	0	0			

Supervision charges at 5 per cent on the work

Sanctioned for Rupees (830) eight hundred and thirty only.

Grand Total Estimate ..

Divisional officer (or other countersigning officer to be named). Executive Engineer (H) South Kanara Division

Sanctioned for 194 -194 . Mangalore

Signature and designation of the officer submitting this estimate.

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named).

DETAILED ESTIMATE. 384,396—24-10-51. C.1

District Construction of 3 span Taluk

Village and Survey Culvert at Kachalla Date and cost of original construction

Name and number of work Kachalla and Pandalla of Date and cost of last repairs

Tiengeli Kebul Road

2 Nos.

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total a ea
Earth work excavation in all soils including rock required for Culvert Foundations & Wings						
Abutments	1×2	17-0	6-9	3-0	689	
Returns	2×2	5-3	6-9	3-0	429	
Piers	2	19-0	5-0	3-0	570	
Add extra if necessary				6-	316	
					2000	q
Concrete Cooker stone Cement mortar 1:6:8						
Abutment	1×2	17-0	6-9	2-0	459	
Returns	2×2	5-3	6-9	2-0	284	
Piers	2	19-0	5-0	2-0	380	
Top of pier Abutment	4	15-0	2-0	0-6	60	
					1183	cft
Coursed Rubble masonry in Cement mortar 1:6					1183	
Abutment 1st footing	1×2	15-0	4-9	1-0	143	
Returns "	2×2	5-3	4-9	1-0	100	
" 2nd footing	1×2	14-0	3-9	2-0	210	
Returns	2×2	5-3	3-9	2-0	158	
" 3rd footing	1×2	14-0	2-9	2-0	154	
Returns	2×2	6-3	2-9	2-0	138	
" 4th footing	1×2	14-0	2-0	3-0	168	
" Returns	2×2	7-0	2-0	2-0	112	
Backing for slab	2	14-0	1-0	1-0	28	
Levelling Course	4	7-0	2-0	1-0	56	
					1323	cft
Masonry 15th Roof 1 inch P.S.					1323	
Pier foundation	2	17-0	3-6	1-0	392	
"	2	14-0	2-0	7-0	111	
Face wall	2	37-0	1-6	1-0	80	
Parapet	2	20-0	1-0	2-0	28	
Cut walls	2×2	2×1 / 2	7-0	7-0	14	
Extras if required						
					2056	
					7256	cft
8.7" thick R.C.C. Slabs for Culverts						
Slabs	1	21-0	14-0	8.7" / 12 = 0-9	213	cft
					221	

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity each description of work.
stone dry packing for revetment						
Quarter sub toe	1×4	22/7 × 8-0 × 1-6		1-0	38	
top	1×4	22/7 × 8/4 × 6-0		1-0	38	
straight embankment	4	15-0	1-6	1-0	90	
top	4	15-0	6-0	1-0	360	
					526	
for every revetment steps of wooden as baling out water can be measured					1-5	

Countersigned

Divisional Engineer
Southern Division

Hamilton
15.7.53
Inspecting Officer 31/33

Hamilton
15.7.53

same data is to be entered in the Measurement Book in which is to be given

C.R. Masonry 1st Sort in cement mortar 1:5.						
Stone including Band Stones	38·0	100 cft			41·12·10	
Sand	2·8·0	"			0·11·2	
Lead 2 M.C.T.	14·1				3·14·9	
Cement Cost	87·80	25 cft			19·12·10	
Lead 25 M.R.	65·12·6	100 cft			3·10·4	
Lead 1¼ M.C.T.	11·4	100 cft			12·6·0	
mixing mortar	4·8·0	"			1·4·2	
Masons 2nd class	2·12	each			27·8·0	
Woman mazdoor	0·13·0	"			3·4	
Man mazdoor	1·8·0	"			6·0·0	
Sundries					0·3·4	

#9

Cement concrete 1:2:4 for reinforced concrete

100 cft.

92 cft 3/4" metal cost.	42:0	100 cft	38.10.0
46 cft sand cost.	2.8.0	"	1.2.5
23 cft cement	87.8.0	25 cft	80.8.0
92 cft lead from metal 1½ miles CT.	11.4.0	100 cft	10.5.6
46 cft sand lead 2 M.CT.	14.1.0	"	6.7.6
23 cft cement lead 2 M. R 65.12.6	"		15 2.1
1 NO man II Class	2.12. each		2.12
6 nos man mazdoor	1.8.0	"	9.0
10 nos woman mazdoor	0.13	"	8.2
Sundries			2.3
			172.4.0

Reinforced cement concrete slab using about 5 lbs of steel. 1 cft.

1 cft concrete cost.	172.4 - 100 cft	1.11.7
5 lbs steel cost.	25.0.0 cwt (local quotation)	1.1.0
1.5 sqft centring for slab	0.113.15 sqft	1.1
5 lbs binding rods and nails	5.12.0 cwt	0.6.6
		4.4

Counter Signed

32/33 Divisional Engineer (H)
South Kanara Division
Mangalore

SB
24.4.92

Abstract Estimate.

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.	P.
	Earthwork excavation in ordinary soils excepting stone requiring blasting		21	8	-	100 cft	42	-	-			
	Cement concrete 1:2:4		101	4	-	100 cft	1205					
1140 cft	Cement concrete 1:6:12		~~168~~	~~12~~	-	100 cft	1274	-	-			
1325 sft	Coursed Random rubble masonry in Cement mortar		102	4	0	100 sft	1355	-	-			
1500			95	6	-	100	1956	-	-			
38 cft	C.R. masonry 1:5		120	8	-	100 cft	880	-	-			
2221 sft	Cut Stone Slab		3	10	-		1802	-	-			
215 cft			4	8	0		968	0	0			
5500	Rough stone dry packing for revetment		39	-	-	1000	215	-	-			
Ls.	for any unforeseen items of works		Ls	-			234 ~~145~~ 190	-	-			
							~~4900~~	~~4500~~	/=			
	for 2 Cent rents		4500 × 2 =				9800	/=				

Supervision charges at 5 per cent

Grand Total Estimate ..

15.7.13

Divisional officer (or other countersigning officer to be named).

Sanctioned for 194 -194 .

Signature and designation of the officer submitting this estimate.

17.7.13

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named).

District

Taluk

Village No.

Name of work N

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

echnically Sanctioned
for Rupees (9800) nine
thousand and eight hundred only

Countersigned

Divisional Engineer(N).
South Kanara Division
Mangalore

Amount of Estimate Rs 9800/-

Sanction number and date

To be carried out by

C.F. 160 (2).

199,160—17-11-82.

	RS.		RS.	ps
Special work for the transformation & wiring with necessary duko power wire Neighbalai to Tuticorin.			8400 - 8500	
Constructing RC Hume pipe 2 to dia Culverts at 0/6-7 and 4/3-4. 2 Nos	450	cum	900	
Constructing Culverts of 3 * 8 spans of 5' to waterway at Kathalla and Paralcalla. fish streams. 0/3 at 4/3-4 =	4500	cum	9800 9000	
Constructing Box Culverts of 4' to waterway at 1/2-3 and 4/4-5. 2 Nos	850	cum	1660 1700	
Petty - supervision and Contingencies		Lt.	1038 900	
	Total		21998 = 21800	

21 Numbers
15.7.53
Inspector of Works.

A. A. Ganapathy
17.7.53
AEE

Cost of two major culverts Rs 9800/-

Sanctioned for Rs 9800/-

(Rupees Nine thousand and eight hundred only)

D.C.P

Constructing a road from Kirigoda to Katukurunduwila to culverts

Est Rs 21,800/-

Issue HW 9/6

(C No. 74495/54)

G.O. Rt. 904 dated 10-6-54

Abstract:- C.Ps. S.K. Area. Block I. Communi-cations. Construction of 2 major culverts on the road from Kinnigoli to Kateel in Mangalore Taluk. Estimate - Sanctioned

Read:- From the PEO. Mangalore Rc. C.1 3330/53-B dated 17.5.54

Order:-

Sanction is accorded to an expenditure not exceeding Rs 9800/- (Rupees Nine thousand and eight hundred only) being the cost of Constructing 2 slab culverts (big) on the Kuteka road, 2 miles long is to be formed by the beneficiaries at their cost, from Kinnigoli to Kateel. The formation of the road roughly estimated ~~at~~ Rs 8400 and the Construction of 4 ~~other~~ minor culverts on the road, estimated to cost Rs 2560/- ~~into~~ be the contribution by the beneficiaries and the Panchayat Board of Kinnigoli. The above sanction is counted against relevant provision under 'Communications' in the approved overall programme.

2. The expenditure should be debited "63B. Community Development Projects - J. Communications - I. works".

3. The PEO. Mangalore is requested to get the work executed according to the plans and estimate herewith returned approved and submit a copy of the Completion

By regd. post.

To
The PEO Mangalore (WE) - F.C. ...
The AG. Madras
The Secy. CPA Regal Bldgs. New Delhi
The Collector of S. Kanara
The Inspector of Municipal Cls & Local Bds. Madras
Sri A. Balakrishnan BABL, MRAIC, AG Madras
Agri D. III., D VII & D. Tech.

SF III Issued 14/6.

Cc
CB. - 8 months

Sub 96 in CBK
VS 24/6.

eport to Govt. in due course:

2.6.54 18/6/54

).N

The letter from the EO Mangalore at p.l.cf. may be perused. The proposal of the EO for forming the road & Constructing Cross-drainage works is included in the Approved overall programme. The estimate for Rs 9800/- for 2 major culverts is to be met from CP funds. The forming of the road (Rs 844) is to be done by the beneficiaries at their cost. The Construction of 4 minor culverts (Rs 1660 + Rs 900) is to be done by the beneficiaries and the Panchayat Board together.

The estimate for the culverts is technically approved by the D.E (H) Mangalore. But the rate for Concrete in foundation is to be corrected to take into account the reduced quantities of aggregate etc, now in vogue. This has been corrected. The rate for R.C.C for the Covering slabs is however correct, as the DE(H) has incorporated the necessary cut.

As the estimate is in order and the expenditure is covered by provision in the overall programme, it may be sanctioned

The draft order may please be Approved
The estimate may also be Countersigned 2 Copies kept below

18/6/54 8/6/54 21.6.

Pub (RDP VI) Dept

Extracts from the Call Book.

S. no. 96

- Date of entry in the register 10/6/54

- Subject - CPS - S.R. area - Block I - communications - Construction of 2 major culverts on the road from Kinnigoli to Kalea in Mangalore taluk - Estimate - Sanctioned

- old current no. 74495 DVI/54.

No & date of Govt. order etc. authorising the entry } G.O.Rt 904 Agri dt 10/6/54. pp 25.26 7(B)

Date when further action is to be taken } 10/2/55.

No & date of new current 1334.

KS
10/6

Pub (RDP VII)

(cp. 1 above)

It has been ordered vide Memo No. 2386 RDP VII/54-1, Dt 10-11-1954 that the P.E.Os etc need not submit detailed completion reports to Govts but to prepare, examine and record them in their respective offices. They may thereafter be lodged / added to the papers at (B) ✓

E.O. 12-5-56

12/2/55

12/2/55

24/2/55